

## **ORD Series**

Features

- 105°C, 20,000 hours assured
- · Ultra low ESR with large permissible ripple current
- · RoHS compliant



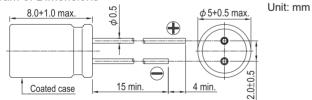
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pecifications Items	Performance								
Category Temperature Range									
Capacitance Tolerance		±20% (at 120 Hz, 20							
Leakage Current (at 20°C)*	Rated voltage applied See Standard Ratings	, after 2 minutes at 20°C.							
Tanδ (at120 Hz, 20°C)	See Standard Ratings	5							
ESR (at 100k ~ 300k Hz, 20°C)	See Standard Ratings	gs							
Endurance	* The above specificat hours at 105°C.	Test Time Capacitance Change Tanō ESR Leakage Current ions shall be satisfied when	Within ±20 Less than 150 Less than 150 Within s	20,000 Hrs Within ±20% of initial value Less than 150% of specified value Less than 150% of specified value Within specified value apacitors are restored to 20℃ after the rated vo					
Moisture Resistance		Test Time Capacitance Change Tanō ESR Leakage Current ions shall be satisfied when Leakage current should be to	Within ±20 Less than 150 Less than 150 Within s the capacitors are restor	1,000 Hrs Within ±20% of initial value Less than 150% of specified value Less than 150% of specified value Within specified value apacitors are restored to 20°C after subjecting the after voltage treatment*.					
Resistance to Soldering Heat * (Please refer to page 18 for soldering conditions)		Capacitance Change Tanð ESR Leakage Current	Within ±10 Within s Within s Within s						
Ripple Current and Frequency Multipliers	Frequenc		$\begin{tabular}{ c c c c c } \hline 1k &\leq f < 10k \\ \hline 0.3 & 0.7 \\ \hline \end{tabular}$		$\frac{100k}{1.0} \leq f < 500k$				

\* For any doubt about measured values, measure the leakage current again after the following voltage treatment.

Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105°C.

## **Diagram of Dimensions**



Negative polarity Date code A9 Rated cap. 330 Rated voltage & Series code 4d

Marking

Dimension:  $\phi D \times L(mm)$ Ripple Current: mA/rms at 100k Hz, 105°C

Standard Ratings Ripple Current: mA/rms at 100k Hz										
Rated Volt. (V)	Surge Voltage (V)	Capacitance (µF)	Size $\phi$ D×L(mm)	Tanō (120 Hz, 20°C)	LC (µA)	E S R (mΩ/at 100k ~ 300k Hz, 20°C max.)		Rated R. C. (mA/rms at 100k Hz, 105°C)		
2.5V (0E)	2.9	220	5×8	0.10	500	7				
		330						4,350		
		470								
		560								
4V (0G)	4.6	330				8		4,050		
6.3V (0J)	7.2	270				10		3,700		
		330				8		4,050		
Part Numbering System										
ORD Ser	ies 330µF	±20%	6.3V	Bulk Package	Gas Ty	γpe 5φ×8L	Genera	l Purpose		
ORD	<u>331</u>	M	<u>0J</u>	<u>BK</u>	-	<u>0508</u>				
Series Na	me Capacitano	ce Capacitanc	e Rated	Lead Configuration	n Rubbe	( ase Size	Appl	ication		

Note: For more details, please refer to "Part Numbering System" on page 20.

Tolerance

Voltage

Туре

and Package